

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

APPLICANT: Alexander HAHN  
SERIAL #: 10/ \_\_\_\_\_, \_\_\_\_\_ ATT. DOCKET: 870-003-161  
FILED: 25 SEP. 2003 (HEREWITH) ART UNIT:  
FOR: APPARATUS FOR DETECTING THE ABSOLUTE-VALUE ANGLE  
OF A SHAFT

INFORMATION DISCLOSURE STATEMENT

25 SEP. 2003

COMMISSIONER FOR PATENTS  
PO BOX 1450  
ALEXANDRIA VA 22313-1450

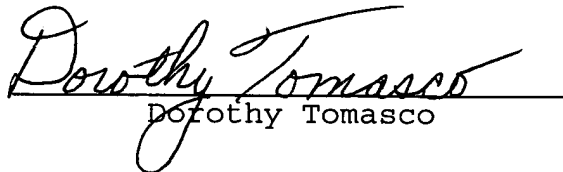
Sir:

In accordance with the provisions of 37 C.F.R. §§1.56, 1.97, and 1.98, Applicant wishes to bring the references, listed on the attached form PTO-1449 and enclosed herewith, to the attention of the Examiner. The references (or their English equivalents) were cited during the prosecution of priority application **DE 102 47 360** in the German Search Report, a copy of which is enclosed herewith. Further, the English-language equivalents suffice to make the relevance of the German documents apparent. Therefore, **this submission complies with MPEP § 609.**

---

"Express Mail" Mailing Label No. **EV 252 883 681 US**  
Date of Deposit: **25 SEP. 2003**

I hereby certify that this document is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, PO BOX 1450, Alexandria VA 22313-1450.

  
Dorothy Tomasco

# REMARKS

No representation is made that more pertinent, although presently unknown, art does not exist. It is anticipated that the Examiner will conduct a thorough search of the prior art and will carefully consider the documents submitted herewith.

The Examiner is respectfully requested to **return an initialled copy** of form PTO-1449, to confirm that the references have been considered.

Early examination and allowance of the present application are respectfully solicited. No fee is believed required; if any is required, it may be charged to Deposit Account No. 23-0442.

Respectfully submitted,



Milton Oliver, Reg. # 28,333  
Attorney for Applicant  
WARE, FRESSOLA, VAN DER SLUYS  
& ADOLPHSON, LLP  
755 Main Street  
P.O. BOX 224  
MONROE, CT 06468-0224  
TEL: (203) 261-1234  
FAX: (203) 261-5676

Enc.: German Search Report of 23 MAY 2003 & references cited

**FORM PTO-1449**  
**INFORMATION DISCLOSURE STATEMENT**

 ATTY DOCKET NO.  
 870-003-161

SERIAL NO. 10/ \_\_\_\_\_

APPLICANT: ALEXANDER HAHN

 FILING DATE:  
 25 SEP. 2003

ART UNIT:

**UNITED STATES PATENT DOCUMENTS**

EXAM. INITIAL		DOCUMENT NUMBER	DATE	INVENTOR/ASSIGNEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,772,675	NOV. 1973	BOSE + /SINGER CO.	340	347P	
		6,542,088	APR. 2003	BIELSKI + /HEIDENHAIN	341	15	MAY 1999 as PCT
		US 2003-0 112 157	JUN. 2003	STRASSER	341	2	SEP. 2001

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	INVENTOR/ASSIGNEE	CLASS	SUBCLASS	TRANSLATION YES/NO
		DE 100 60 574	JUN. 2002	STRASSER/HEIDENHAIN			= U S P 2 0 0 3 - 0112157
		DE 198 20 014	NOV. 1999	BIELSKI + /HEIDENHAIN			= USP 6,542,088

**OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)**

		Lamers et al., "Weltkleinster echter Multiturn-Drehgeber setzt Mass-stäbe," available via Internet at <a href="http://WWW.INDUSTRIE-SERVICE.DE/ANTRIEBSTECHNIK/WAHLARTIKEL/03_02/MULTITURN/ART_01.HTML">WWW.INDUSTRIE-SERVICE.DE/ANTRIEBSTECHNIK/WAHLARTIKEL/03_02/MULTITURN/ART_01.HTML</a> .
		Lamers et al., "A Miniature Multiturn Encoder Sets New Standards in Size," in HEIDENHAIN INFO, Vol. 8, Issue 1, pp. 1-6 (2002), publ. by Dr. Johannes Heidenhain GmbH of Trautrent, Germany. (Apparently an English translation of the foregoing German-language article).

Examiner

Date: